Waterfront Housing • Burlington, VT
Waterfront Housing

Details of project
- 40 units of mixed income housing
- New construction
- Burlington, Vermont
- Completed September 2004

Summary
- Green building can exemplify a city’s vision of environmental and social equity
- A brownfield site can become an asset
- Even late in the process, sustainability can be incorporated with a willing, creative project team
Planning and Landscaping

Siting
Planning and Landscaping
Views
Planning and Landscaping
Daylighting
Planning and Landscaping
Minimize Visual Impact
Energy Efficiency
Passive Solar Heating
Energy Efficiency
High Efficiency Systems
Energy Efficiency
Energy and Heat Recovery Ventilation

Rotary Wheel
Water Efficiency
Materials Selection
Community
Communal Space

- Aesthetics
- Energy and Water Efficiency
- Economics
- Indoor Air Quality
- Performance/Commissioning
- Planning & Landscaping
- Materials Selection
- Waste Management

Community Communal Space
Community
Personalized “Porches”
## Economics

### Resident’s Savings

<table>
<thead>
<tr>
<th></th>
<th>Heating</th>
<th>Electrical</th>
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</thead>
<tbody>
<tr>
<td>Typical</td>
<td>$60</td>
<td>$50</td>
</tr>
<tr>
<td>Conventional</td>
<td>$39</td>
<td>$35</td>
</tr>
<tr>
<td>Green</td>
<td>$22</td>
<td>$20</td>
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</tbody>
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**Savings:** $17-38 $15-30

**Annual savings:** $384-$816

The tenants of Waterfront are paying **33-50% less** than a typical HVT tenant.
Aesthetics
Challenges

- Challenges were met with ambition and creativity by the city, nonprofit partners, and contractor. The result was a building everyone could be proud of, from the funders, developer/owner, designers, and builders to the residents.

- What challenges might you face?
  - Adopting an integrated design process?
  - Finding a team with experience in green practices?
  - Addressing resistance and cynicism?
  - Selecting and finding green materials